

**Notice of Allowability**

Application No.

09/452,421

Examiner

CHAMELI C DAS

Applicant(s)

ANDREW ET AL.

Art Unit

2122

**-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--**

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the RCE filed on 12/22/04.
2. ☒ The allowed claim(s) is/are 20, 26-32, 37-58 (the newly numbered claims are 1-30).
3. ☒ The drawings filed on 01 December 1999 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).
  - \* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  6. ☐ CORRECTED DRAWINGS ( as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review ( PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☒ Information Disclosure Statements (PTO-1449 or PTO/SB/08),  
Paper No./Mail Date 1/13/05
4. ☐ Examiner's Comment Regarding Requirement for Deposit  
of Biological Material
5. ☐ Notice of Informal Patent Application (PTO-152)
6. ☒ Interview Summary (PTO-413),  
Paper No./Mail Date 1/13/05.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

1. This action is in response to the RCE filed on 12/22/04.
2. Claims 20, 26-28, 37 have been amended.
3. Claims 1-19, 21-25, 33-36 have been canceled.
4. Claims 49-58 have been added.
5. Claims 20, 26-32, 37-58 are allowed.

#### **EXAMINER'S AMENDMENT**

6. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Mr. Richard Dodson, Attorney for the Applicant on 1/13/05.

The application has been amended as follows:

**In the specification, the abstract has been replaced by the following abstract.**

-- This invention provides a method and system for developing a software application program with user interfaces that make resource files external to the other compiled executable files such that the information from the resource file may be obtained at runtime as needed without the need for compilation. The external resource file may be edited at runtime to allow designers to modify the application's interface without having to depend on developers

implement changes in the interface. This is achieved by providing resources in a markup language and routines that locate and parse the markup language text on the fly as an application executes. Compartmentalization of the effort in developing and porting an application is facilitated for protection of source code and better management of designers and developers working on different aspects of a software application due to the externalization of the resource files needed primarily by the designers. --

**In the claims:**

- (i) In claim 20, line 6, "XML" should be deleted.
- (ii) In claim 28, line 5, "XML" should be deleted.
- (iii) In claim 37, line 6, "XML" should be deleted.
- (iv) In claim 55, line 2, "XML" should be deleted.
- (v) Claim 54 has been deleted.
- (vi) In claim 20, line 11, after, "resource files" the period "." should be replaced by --;--
- (vii) In claim 20, line 11, after "resource files;"

-- a runtime tree built from the one or more external resource files in response to a resource request that references at least one of the plurality of graphical controls;

at least some of the plurality of graphical controls have a parent-child relationship with others of the plurality of graphical controls; and

a reference to the runtime tree is sent to each graphical control in a parent-child relationship with the at least one of the plurality of graphical controls referenced by the resource request.-- has been inserted.

(viii) In claim 28, line 12, after, "application program" the period "." should be replaced by --;--

(ix) In claim 28, line 12, after "application program; "

-- a runtime tree built from the one or more external resource files in response to a resource request that references at least one of the plurality of graphical controls;

at least some of the plurality of graphical controls have a parent-child relationship with others of the plurality of graphical controls; and

a reference to the runtime tree is sent to each graphical control in a parent-child relationship with the at least one of the plurality of graphical controls referenced by the resource request.-- has been inserted.

In claim 37, in line 13, after, "application program" the period "." should be replaced by --;--

(ix) In claim 37, in line 13, after "application program; "

-- a runtime tree built from the one or more external resource files in response to a resource request that references at least one of the plurality of graphical controls;

at least some of the plurality of graphical controls have a parent-child relationship with others of the plurality of graphical controls; and

a reference to the runtime tree is sent to each graphical control in a parent-child relationship with the at least one of the plurality of graphical controls referenced by the resource request.-- has been inserted.

### **REASON FOR ALLOWANCE**

7. The following is an examiner's statement of reasons for allowance:

The cited prior art taken alone or in combination fail to teach, in combination with the other claimed limitations, a computer software application development system comprising: a runtime tree built from the one or more external resource files in response to a resource request that references at least one of the plurality of graphical controls; and a reference to the runtime tree is sent to each graphical control in a parent-child relationship with the at least one of the plurality of graphical controls referenced by the resource request, as recited in the independent claims 20, 28 and 37.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reason for Allowance".

### ***Conclusion***

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

TITLE: Adaptive interface for a software development environment, US 6769115 B1

TITLE: Method and system for interactively developing a graphical control-flow structure and associated application software for use in a machine vision system and computer-readable storage medium having a program for executing the method, US 6298474 B1

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TITLE: Effective dated tree control in a component based-object oriented convergent customer care and billing system, US 6415298 B1.

TITLE: Force feedback implementation in web pages, US 6125385 A

TITLE: Method and apparatus for user and device command and control in a network, US 6546419 B1

TITLE: Browser based command and control home network, US 6603488 B2.

TITLE: Efficient server side data retrieval for execution of client side applications, US 6615253.

TITLE: Web-Based Development and Complex Information Products, author: Fielding et al, ACM, 1998.

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Chameli Das whose telephone number is 571-272-3696. The examiner can normally be reached on Monday-Friday from 6:30 A.M. to 3:00 P.M. If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor Tuan Dam can be reached at 571-272-3695. The fax number for this group are:

(703) 746-7239 (official fax), (703) 746-7240 (non-official/draft), (703) 746 -7238 (after final).

An inquiry of general nature or relating to the status of this application or proceeding should be directed to the group receptionist whose telephone number is 703-305-9600.

*Chameli C. Das*  
**CHAMELI C. DAS**  
**PRIMARY EXAMINER** 1/19/05